GV-BX1500 Series 1.3MP H.264 Super Low Lux WDR D/N Box IP Camera

GV-BX1500-0F / 1F / 2F / 8F

GV-BX1500-3V

- 1.3 megapixel progressive scan super low lux CMOS
- Min. illumination at 0.01 lux
- Dual streams from H.264 and MJPEG
- Up to 30 fps at 1280 x 1024
- Built-in / external microphone
- 2-way audio
- One sensor input and alarm output
- TV-out support
- Built-in micro SD card slot (SD/SDHC) for local storage
- Mini USB slot for WiFi Adapter or USB hard drive
- Wide Dynamic Range (WDR)
- 3D DNR (Digital Noise Reduction)
- Defog
- Motion detection
- Tampering alarm
- Privacy mask
- IP address filtering
- DC 12V / PoE
- Removable IR-cut filter for Day/Night function
- Varifocal megapixel lens
- Supports iPhone, iPad, Android & 3GPP
- 31 languages on Web interface
- ONVIF (Profile S) conformant

* No Memory card slot & local storage function for Argentina.

Introduction

The GV-BX1500 is a series of indoor IP cameras containing a varifocal and several fixed focal models. The camera is equipped with a Super Low Lux CMOS image sensor which allows the camera to provide a color live view in near darkness. The camera features a mini USB port which supports wireless connection through a GV-WiFi Adapter (optional) or external storage using a USB hard drive.

Models

Models	Iris	Focal Length (mm)	Maximum Aperture	Image Format
GV-BX1500-0F	Fixed	4 mm	F/1.5	1/3”
GV-BX1500-1F		8 mm	F/1.6	1/2.5”
GV-BX1500-2F		12 mm		
GV-BX1500-3V	DC drive	2.8 ~ 12 mm	F/1.4	1/2.7”
GV-BX1500-8F	Fixed	2.8 mm	F/1.8	1/2.5’’

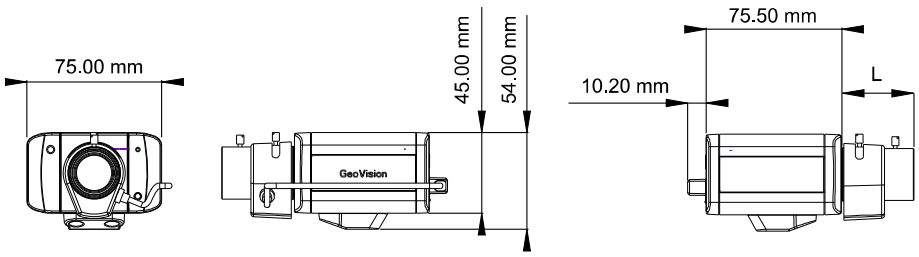
Active Tampering Alarm

Tampered

Focus Change

Camera Shift

Dimensions



Model	L Length
BX1500-0F	15.7 mm (0.62")
BX1500-1F	15.7 mm (0.62")
BX1500-2F	15.7 mm (0.62")
BX1500-3V	39.5 mm (1.56")
BX1500-8F	15.7 mm (0.62")

Specifications

Camera		GV-BX1500-0F	GV-BX1500-1F	GV-BX1500-2F	GV-BX1500-8F	GV-BX1500-3V
Image Sensor		1/3" progressive scan super low lux CMOS				
Picture Elements		1280 (H) x 1024 (V)				
Minimum Illumination	Color B/W	0.01 Lux				
	IR ON	0 Lux				
Shutter Speed		Automatic, Manual (1/5 ~ 1/8000 sec)				
White Balance		Automatic, Manual (2800 ~ 8500K)				
Gain Control		Automatic				
S/N Ratio		55 dB				
WDR		Yes				
Lens						
Megapixel		Yes				
Day/Night		Yes (with removable IR-cut filter)				
Lens Type		Fixed				Varifocal
Focal Length		4 mm	8 mm	12 mm	2.8 mm	2.8 ~ 12 mm
Maximum Aperture		F/1.5	F/1.6	F/1.6	F1.8	F/1.4
Mount		CS Mount				
Image Format		1/3"	1/2.5"	1/2.5"	1/2.5"	1/2.7"
Horizontal FOV		63°	36°	23°	90°	86° ~ 31°
Operation	Focus	Manual				Manual (w/lock)
	Zoom	Fixed				Manual (w/lock)
	Iris	Fixed				DC drive
Torque (Focus/Zoom screws)		0.049 N.m				
Operation						
Video Compression		H.264, MPEG4				
Video Streaming		Dual streams from H.264 or MJPEG				
Frame Rate		30 fps at 1280 x 1024 * The frame rate and performance may vary depending on the number of connections and data bitrates (different scenes).				
Image Setting		Brightness, Contrast, Saturation, Sharpness, Gamma, White Balance, Flicker-less, Image Orientation, Shutter Speed, D/N Sensitivity, Backlight Compensation, WDR, Defog, Super Low Lux				
Audio Compression		G.711, AAC (optional)				
Audio Support		Two-Way Audio				
Sensor Input		1 input (Dry Contact)				
Alarm Output		1 Digital Output (200mA 5V DC)				
Video Resolution						
Main Stream	4:3	1280 x 960, 640 x 480, 320 x 240, 640 x 512, 320 x 256				
	16:9	1280 x 720, 640 x 360, 448 x 252, 640 x 360, 448 x 252				
	5:4	1280 x 1024, 640 x 512, 320 x 256, 640 x 512, 320 x 256				
Sub Stream	4:3	640 x 480, 320 x 240				
	16:9	640 x 360, 448 x 252				
	5:4	640 x 512, 320 x 256				

Network		
Interface		10/100 Ethernet
Protocol		DHCP, DynDNS, FTP, HTTP, HTTPS, NTP, ONVIF (Profile S), PSIA, QoS (DSCP), RTSP, SNMP, SMTP, TCP, UDP, UPnP, 3GPP/ISMA
Wireless LAN		IEEE 802.11 b/g/n
Antenna Type		External
Security		WEP, WPA-PSK(TKIP), WPA-PSK(AES), WPA2-PSK(TKIP), WPA2-PSK(AES)
Mechanical		
Temperature Detector		Yes
Connectors	Power	2-pin terminal block, PoE
	Ethernet	RJ-45
	Audio	1 In (Using the built-in microphone or externally connecting a microphone) 1 Out (Stereo phone jack, 3.5 mm / 0.14'')
	Digital I/O	3-pin terminal block, pitch 2.5 mm (0.1'')
	Auto Iris	Yes (with varifocal lens)
	Local Storage	Micro SD card slot (SD/SDHC, SD version 2.0 only, Class 10) *__SDXC__ and __UHS-I__ card types are not supported.
	TV-Out	BNC connector (640 x 480 resolution)
	Mini USB	GV-WiFi Adapter or USB hard drive
LED Indicator		2 LEDs: Power, Status
General		
Operating Temperature		0 °C ~ 50 °C (32 °F ~ 122 °F)
Humidity		10% to 90% (no condensation)
Power Source		12V DC / PoE
Max. Power Consumption		9.5W
Dimensions (without lens)		75.5 x75 x 54 mm (2.97'' x 2.95'' x 2.13'')
Weight		300 g (0.66 lb)
Regulatory		CE, RCM, FCC, RoHS compliant
Power over Ethernet		
PoE Standard		IEEE 802.3af Class 3 Power over Ethernet / PD
PoE Power Supply Type		End-Span
PoE Power Output		Per Port 48V DC, 350mA. Max. 15.4 watts
Web Interface		
Installation Management		Web-based configuration
Maintenance		Firmware upgrade through Web Browser or Utility
Access from Web Browser		Camera Live View, Video Recording, Change Video Quality, Bandwidth Control, Image Snapshot, Digital I/O control, Audio, Picture in Picture, Picture and Picture, Privacy Mask, Visual Automation, Tampering Alarm, Text Overlay, Digital PTZ
Language		Arabic / Bulgarian / Czech / Danish / Dutch / English / Finnish / French / German / Greek / Hebrew / Hungarian / Indonesian / Italian /Japanese / Lithuanian / Norwegian / Persian / Polish / Portuguese / Romanian / Russian / Serbian / Simplified Chinese / Slovakian / Slovenian / Spanish / Swedish / Thai / Traditional Chinese / Turkish
Applications		
Network Storage		GV-NVR, GV-System, GV-Backup Center, GV-Recording Server
Smart Device Access		GV-Eye for Android smartphone, tablet, iPhone, and iPod Touch GV-Eye HD for iPad
Live Viewing		IE, mobile phone
CMS Server support		GV-Control Center, GV-Center V2, GV-VSM

Note:

1. The signal range and data throughput may vary depending on the network conditions and environmental factors.
2. Mind the following limitations and requirements for the mini USB port:
   - The USB hard drive must be of 2.5'' or 3.5'', version 2.0 or above
   - The USB hard drive's storage capacity must not exceed 2TB
   - USB flash drives and USB hubs are not supported
   - External power supply is required for the USB hard drive
   - To connect a GV-WiFi Adapter, make sure it is connected before the camera is powered on.
3. Specifications are subject to change without notice.

Packing List

1. Box Camera
2. Terminal Block
3. Fixed Focal or Varifocal Megapixel Lens
4. Six Lens Rings
5. Video Out Wire
6. Camera Holder
7. GV-IPCAM H.264 Quick Start Guide
8. GV-IPCAM H.264 Software CD
9. GV-NVR Quick Start Guide
10. GV-NVR Software DVD

Accessories

Name	Details
GV-IR LED T2	Weight: 140 g / 0.31 lbs Dimensions (H x W x D): 49 x 47 x 67 mm / 1.93 x 1.85 x 2.64 in
GV-PA191 PoE Adapter	Weight: 130 g / 0.29 lb Dimensions (H x W x D): 43 x 69 x 40 mm / 1.69 x 2.72 x 1.57 in
GV-Relay V2	The GV-Relay V2 is designed to expand the voltage load of GV IP devices. It provides 4 relay outputs, and each can be set as normally open (NO) or normally closed (NC) independently as per your requirement.
Power Adapter	Power adapters are available in 4 regions: U.S.A., Australia, U.K and Europe.
GV-POE Switch	The GV-POE Switch is designed to provide power along with network connection for IP devices. The GV-POE Switch is available in various models with different numbers and types of ports.
GV-WiFi Adaptor	Weight: 20 g / 0.04 lb Dimensions: 15 x 15 x 155 mm / 0.59'' x 0.59'' x 6.10'' Supplied with mini USB to standard USB adapter.